

Today's Topics:

Alt.power.sources
Earthquake in SF!!!
FAA emergency frequencies?
INFO-HAMS Digest V89 #779
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KENWOOD TM701A CROSS BAND MOD
Socket for Yaesu FT-208R HT - Where do I get?
Starting over - after 30 years
TAPR 9600 Baud packetRADIO
TNC 1
UK 'Student' license?
Weather Radio (2 msgs)

Date: Fri, 20 Oct 89 13:41:29 EST

From: bill gunshannon <702WFG%SCRVMSYS.BITNET@CORNELLC.cit.cornell.edu>

Subject: Alt.power.sources

>Date: 17 Oct 89 17:43:38 GMT

>From: ingr!b11!herbster@uunet.uu.net (Joe Herbster)

>Subject: Alt.power.sources

>

> Regarding Field day power sources.....

> <....>

> How about STEAM power.....I got the idea from one of those
> little steam engines i had as a kid (younger kid). Does any
> one know of sources of information or assemblies for a decent
> sized steam engine?? I should be able to spin a couple of 12v
> alternators at 2000 rpm with a single piston steam motor. I
> wonder if there are extra points for using recycled newspaper
> logs or other environmentally minded fuel?? Any informative

I hardly think an Ecologist would find burning old paper and ink to be "environmentally minded". Other than that it hardly seems like you would get extra points for using something more inefficient than a gasoline powered generator that still consumes large amounts of fuel. A cute idea though. Would probably get you the extra points for PR as I am sure you could get the local TV station to come out and film it for the 11 o'clock news. :-)

> discussion invited. I feel sure the creative elements in the
> Ham community can solve the FD power crunch.

With all the engineers employed full time to try and solve the energy problems of this country and the world I hardly expect Field Day to

come up with a solution.

bill gunshannon
702WFG@SCRVMSYS.BITNET

Date: 20 Oct 89 16:22:09 GMT
From: cadre.dsl.pitt.edu!geb@pt.cs.cmu.edu (Gordon E. Banks)
Subject: Earthquake in SF!!!

In article <1114@tundra.misemi> chiprout@UUCP writes:
>If anyone has news about the quake: damage, reports, news, etc. please
>post. How have companies been affected?

Apparently Apple's hardware development building was condemned
as was Ashton Tate's facility.

Date: 20 Oct 89 12:12:21 GMT
From: shlump.nac.dec.com!newsdaemon@decuac.dec.com (USENET News System)
Subject: FAA emergency frequencies?

Ed@ALDERAAN.SCRC.SYMBOLICS.COM (Ed Schwalenberg) writes (in part):

>The FAA office in Burlington, MA has just erected a large antenna on their
>roof,...The antenna looks roughly like this:
> | ; | Center tower is about 24' tall
>\=====|===== / ; \ / Six "umbrella ribs"
> .\====|====/. ; === Lots of wires (1 every foot or so) wrapped around ribs.
> . \==|==/ . ; . . Lots of wires (guys or elements? I don't know) running
> . . \|/ . . ; from ribs to roof
> . . .|. . .
> ... | ...
> . | .
>roofroofroofroof
>
>I've never seen an antenna like this before; does anybody recognize
>the design? Does anybody have any idea what frequencies the FAA might
>be using for this system?

Assuming the guys are nonconductive, or broken up into nonresonant lengths,
it looks like "half-biconical", an "upside down" discone. This class of
antenna is typically zero gain, referred to a monopole, flat in impedance
over a wide frequency range, has an omnidirectional pattern in the horizontal
plane, and is (i suspect) expensive...

I saw antennas of VERY similar appearance during a recent IEEE sponsored tour of the Navy's Cutler, Maine Comm facility, at their HF facility.

(The 24KHz antnenna, for which Cutler is better known, is another matter altogether... 8)>>)

thanks

dave pierson |The opinions above are my own,
Digital Equipment Corporation |The facts as accurate as I can manage
600 Nickerson Rd
Marlboro, Mass
01742 pierson@cimnet.enet.dec.com

Date: Fri, 20 Oct 89 11:56 GMT
From: ARYEH%ILJCT.BITNET@CUNYVM.CUNY.EDU
Subject: INFO-HAMS Digest V89 #779

Has anybody added PL to an ICOM 290H? I have a Communication Specialists encoding board, which I would like to add to the 290.

I have a good spot to inject the PL (just before the FM modulator), but it requires a small amount of circuit board modification. I have not found a switched source of 12 V, but I suspect there may be pins where 8V is switched on transmit.

If anybody has already done this, I would appreciate seeing your solution. Thanks.

73 de 4X/KA1PB
--aryeh (aryeh@iljct.BITNET, aryeh@grouch.rutgers.edu)

Date: Fri, 20 Oct 89 09:55:18 EDT
From: MIKE KOZIOL WA2BRX <MJK2660%RITVM.BITNET@CORNELLC.cit.cornell.edu>
Subject: INFO-HAMS Digest V89 #782

DARA usually places an ad in the December 'QST' advertising the tickets and how to get them.

Date: Fri, 20 Oct 89 09:23 CDT
From: SURESH KAGOO <SKAGOO%MEMSTVX1.BITNET@CORNELLC.cit.cornell.edu>
Subject: KENWOOD TM701A CROSS BAND MOD

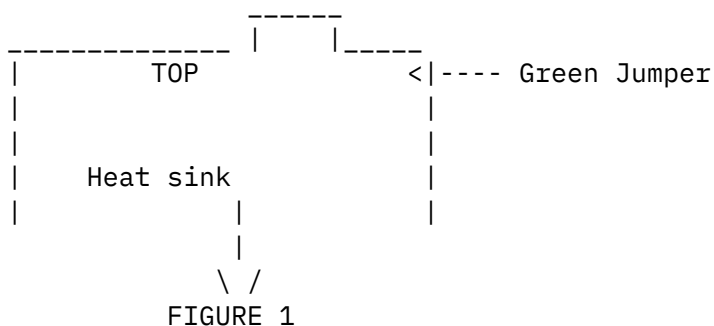
TM-701A REPEATER CROSS-BAND MODIFICATION (REVISED)

This Mod is from KENWOOD

Perform The following modification to allow the TM-701A to operate in the repeater cross-band mose.

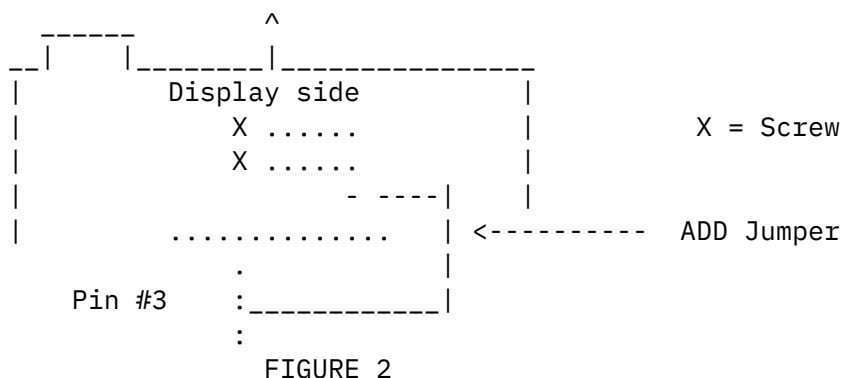
MODIFICATION:

1. Disconnect the power supply and antenna.
2. Remove the top and bottom covers (12 screws). Disconnect the speaker wire from the transceiver.
3. Locate the green jumper wire shown in figure 1. Using a sharp pair of wire cutters, cut the jumper in half.



CATUION: Cutting the green jumper allows the TM-701A to transmit from 142 to 151.995 MHz. Protect your license by only using frequencies that you are authorized to transmit on.

4. Solder a jumper wire to the foil side of the TX-RX board as shown in Figure 2.



5. Assemble the transceiver by reversing steps 1-2.

6. Reset the microprocessor by holding in the MR key as the power is turned on.

The repeater cross-band operation allows the TM-701A to receive on one band and re-transmit the signal on the other band. The TM-701A alternately displays the two bands until a signal is received. The transceiver will then display the band that is re-transmitting the signal. The shift function cannot be used during the repeater cross-band operation. If the TONE or CTCSS function is required, only one EIA tone can be used for the two bands.

OPERATING PROCEDURE:

1. Select the operating frequencies for both bands.
2. Set the squelch control to the threshold point. The TM-701A will transmit in the repeater cross-band mode if the squelch control is set too low or a signal is received.
3. Place the transceiver in the duplex mode (F + DUP).
4. Press the F key for longer than one second. The F indicator will flash.
5. Press the LOW key. The transceiver will now enter the repeater cross-band mode of operation.
6. To cancel the operation and return to the VFO mode, press the VFO key.

Date: 20 OCT 89 12:19-ECT
From: JARVIS%DGAES051.BITNET@CUNYVM.CUNY.EDU
Subject: Socket for Yaesu FT-208R HT - Where do I get?

Date: 20-OCT-1989 12:18:59.23
From: JARVIS AT DGAES051
To: ESOMC1::EARN::"info-hams@simtel20.army.mil" ! SENT TO ESOMC1::EARN::"info-hams@simtel20.army.mil"
Subj: Socket for Yaesu FT-208R HT - Where do I get?
Can someone tell me to where I can write stateside to get the male plug which fits the Yeasu FT-208R HT. This is the socket on the top of the radio into which the remote microphone-speaker connects.

I need this plug so that I can connect the HT to my AEA-232 for packet.

Many thanks for any advice.....73 de Brian.

JARVIS@DGAES051.BITNET

Date: 20 Oct 89 03:43:46 GMT
From: att!cbnewsk!wheatley@ucbvax.Berkeley.EDU (steven.m.wheatley)
Subject: Starting over - after 30 years

In article <232@ssc.UUCP>, tad@ssc.UUCP (Tad Cook) writes:

>
>
> The note about Instructographs really jogged my memory. Amateur
> Radio Supply in Seattle used to rent them by the week. They stopped
> doing it in the mid-1970s when cassette tapes got too popular for the
> survival of the Instructograph. They were in a black box and had a
> wind-up mechanism that ran paper tape. You could adjust the speed
> of the tape to vary the code practice speed.

If anyone is interested in buying one of these monsters, a friend
in our ham club had one he was trying to sell at the last hamfest.
Not sure if he has it, but seems to be a lot of interest, so
thought I would drop this note.

--
Steven Wheatley AT&T Consumer Products (317) 845-3927

....!att!inuxz!wheatley

Date: Fri, 20 Oct 89 12:55:35 EDT
From: mgb@apg-tecnet.apg.army.mil
Subject: TAPR 9600 Baud packetRADIO

First my apologies to hams that are not into packet for this posting. My
feed from "info-packet" has been irregular or nonexistent lately.

Can anyone with an "in" with TAPR (Phil // Brian?) give us the latest
scoop on the TAPR packetRADIO project? I realize that this is a topic
for presentation at the Colorado Conference, but I was hoping for some
advance info.

Rumor control has it that some of the units are now out in Beta test, and
while I filled out the little form volunteering for that effort, I never
received a reply. To get in a little plug... the whole state of North
Carolina is VERY interested in acting as a Beta Test site for that project
(and yes I am authorized to speak for the state :-)

I have seen the recent flyers from Kantronics advertising the 2 watt 9600 baud unit and also some blurbs from Paccom also hyping their product. The big draw on the TAPR unit is its proposed turn-around time and its higher power output of 25 watts. Does anyone have any idea whether these units are going to be compatible with each other and to what degree?

While I realize that using a TNC as a switch is now considered to be a rather primitive concept and that there are many better ways to go about it (and some rather astounding products are "in the mill"), this TAPR packetRADIO is EXACTLY what we are looking for in our stage of development and I honestly feel that we represent the feelings of a lot of others that are in the same situation.

Sooo... Any word on when this unit will be available, and at what cost, or answers to any one of the other questions?

Thanks in advance.....

Mark Bitterlich
mgb@apg-tecnet.apg.army.mil
wa3jpy@wb4uou

Date: Fri, 20 Oct 89 14:52:05 EST
From: bill gunshannon <702WFG%SCRVMSYS.BITNET@CORNELLC.cit.cornell.edu>
Subject: TNC 1

Unlike the Marines I am not looking for a few good men.
However I am looking for a few good TNC 1's.
Anybody have any idea where I might find some?? I want to do some software development/testing and I think the 6809 is a pretty good machine to play with. Add into that the fact that I think I have a pretty good software development system for the 6809 and you never know what might come out of it.
Now that everyone is looking at PS186's and 68302's there must be some TNC 1's taking up space that need to be disposed of.

Any suggestions??

KB3YV

bill gunshannon
702WFG@SCRVMSYS.BITNET

Date: Fri, 20 Oct 89 17:44:33 BST

From: Pete Lucas <PJML%UK.AC.NWL.IA@CUNYVM.CUNY.EDU> NERC-SWINDON U.K.

Subject: UK 'Student' license?

An addition to the code vs no-code argument. The RSGB here in the UK is proposing a 'student license' in addition to the existing class 'A' and 'B' structure. The proposal includes a 5WPM code test. Holders of the 'student license' would be allowed up to 5 watts CW on several of the HF/VHF bands, plus voice on 1.8/28/430MHz. The interesting thing is that the proposed 'student licensee' would not have to go through the examination procedure required for class 'A' and 'B' licensees. Hence we may have less 'qualified' (in terms of passing technical tests) hams having access to a wider range of frequencies than the more highly 'qualified' people! A very strange (and contentious!) position to be in.

The object of the 'student license' is alleged to be to encourage young people into ham radio (there is no suggestion of a minimum age for a student license holder).

However, including code proficiency is, IMHO, likely to be a great deterrent. The youth of today care not for pounding a code key - they are all into computers! Methinks the 'student license' will die a natural death.

A question: Would it really matter if there were no new hams recruited? We could all grow old gracefully, and discuss our latest illnesses/retirement homes/recipes for oriental dishes in the tranquility of uncongested bands.....!

Pete.

Please use the following addresses for reply:

JANET: PJML@UK.AC.NERC-WALLINGFORD.IBMA

ARPA : PJML%IA.NWL.AC.UK@NSS.CS.UCL.AC.UK

EARN : PJML%UK.AC.NWL.IA@UKACRL

AX25 : G6WBJ {144.650MHz}

SPAN : STAR::"PJML%IA.NWL.AC.UK@NSS.CS.UCL.AC.UK"

PHONE: +44 793 411613

FAX : +44 793 411503

+ \Natural
+ \Environment
+ \Research
+ \Council
+ NERC Computer Services
+ Holbrook House
+ Station Road
+ SWINDON SN1 1DE
+ GREAT BRITAIN

Date: 18 Oct 89 21:10:00 GMT

From: pur-phy!tippy!fireman@ee.ecn.purdue.edu

Subject: Weather Radio

They broadcast a 1040hz tone to set off the alarm. You can hear it if you are monitoring the frequency.

Rob Dale ++ N8GSK .=. tippy!fireman
Purdue University .=. @newton.physics
Atmospheric Sciences .=. .purdue.edu

Date: 20 Oct 89 14:20:00 GMT
From: silver!commgrp@iuvox.cs.indiana.edu
Subject: Weather Radio

>>How do tone-alert weather radios work?

>They broadcast a 1040hz tone to set off the alarm. You can hear
>it if you are monitoring the frequency.

>

>Rob Dale ++ N8GSK Purdue University Atmospheric Sciences

The tone detectors can be false-triggered by heterodynes from distant
transmitters on the same frequency during band openings. Annoying if
you're not a ham, but nice if you're into VHF DX!

--

Frank W9MKV reid@gold.bacs.indiana.edu
disk lamer: more bad sectors found.

End of INFO-HAMS Digest V89 Issue #785
